



# **National Title XI Workshop**

**LTC Jones-Harris**

**10 September 2004**

# Investment In Army Training Readiness

**Today**

★ **Original TADLP plan continues to serve as our guiding azimuth**

TRADOC Managed Courseware and industries and universities are

- Total Courseware FY98-04 \$179.9M
- FY04 Funding \$39M
- FY05 Funding \$43M
- FY06-11 POM \$289M (validated)

on the same DL azimuth

**PEO EIS Managed Acquisition**

- Total DLS FY98-04 \$290M
- FY04 Funding \$37M
- FY05 \$41.7M
- FY06-11 POM \$296.8M
  - funds O&M of 274 DTFs (146 AC, 121 USAR)
  - development/fielding and sustainment of Army LMS
  - development and fielding of Deployable Campus
  - DLS program management

**The ROI is a better trained soldier at a lower cost while maintaining standards by providing maximum opportunity and access**

**Current Status**

- 259 Courses Funded (FY 98-04)
  - 17 unit products
- 271 Digital Training Facilities
  - 3 additional DTFs in progress

**TADLP Training Students Trained**

FY03: 224,034  
FY04 to date: 204,224

**Student Seat Hours**

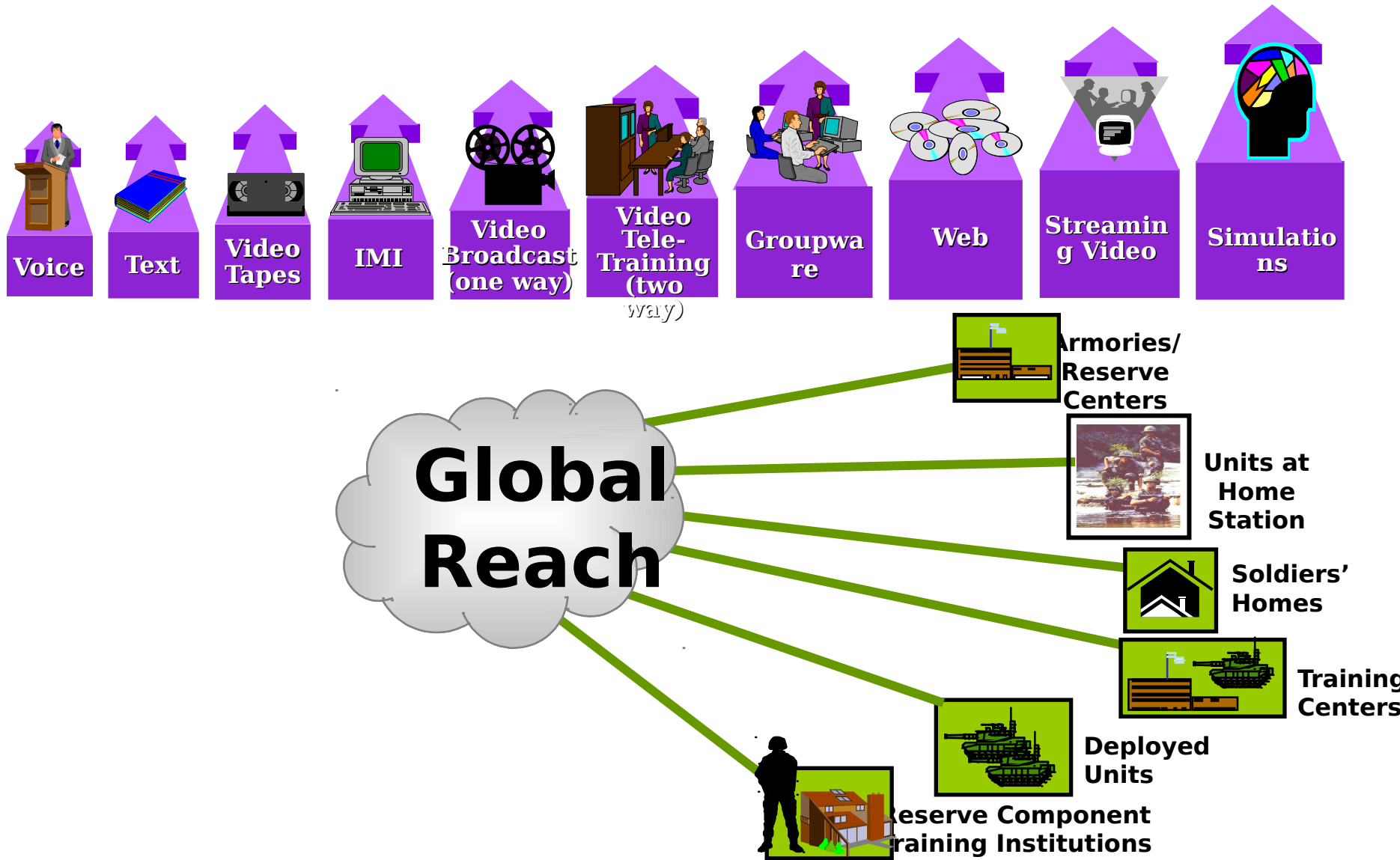
FY03: 1,024,269  
FY04 to date: 1,192,726

**Reimer Digital Library FY04 Hits to date: 69,366,660**

★ **Soldiers support DL efforts**

★ **Dealing with the required culture changes at senior levels is more difficult than anticipated**

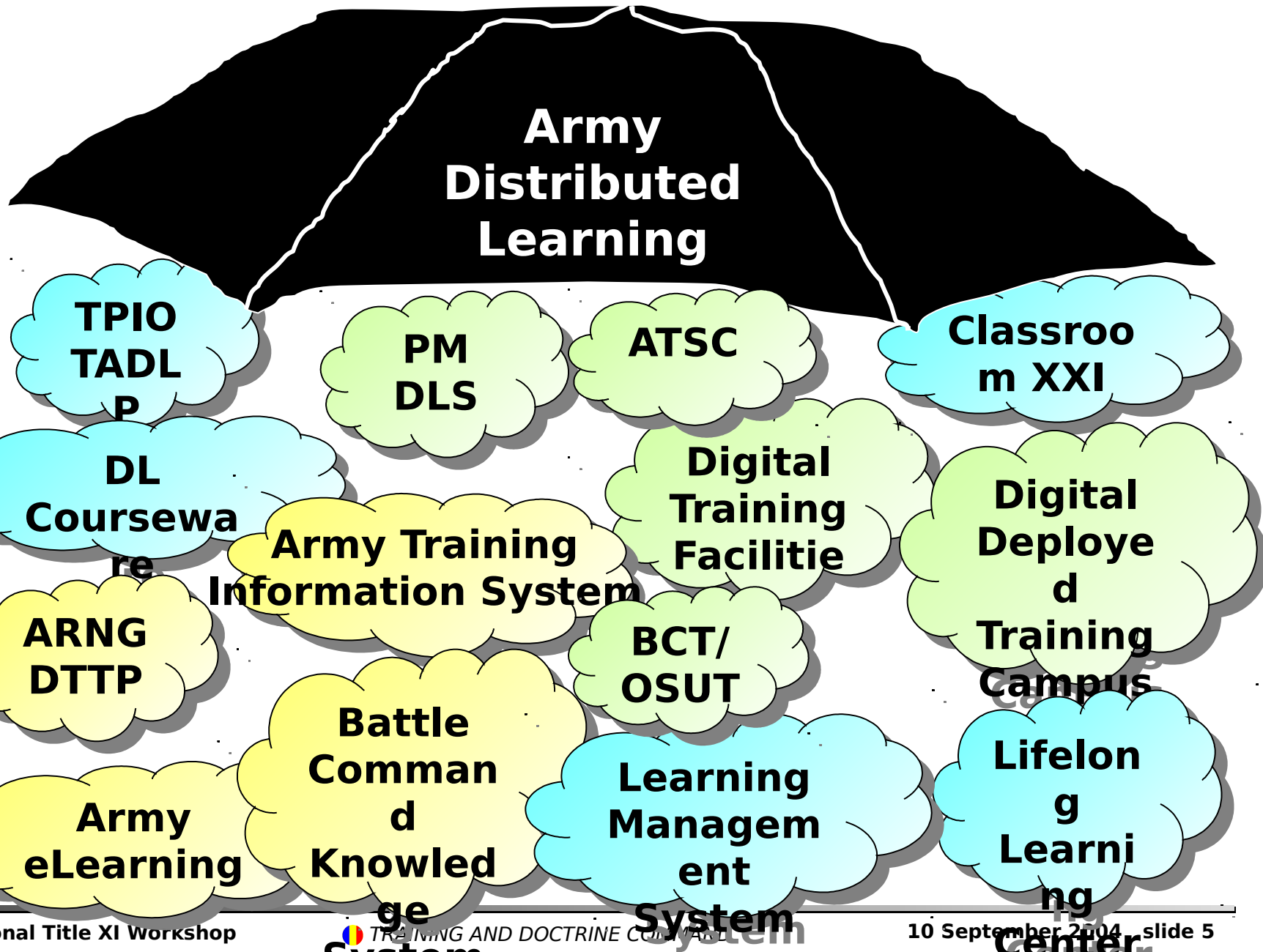
# DL Delivery



# When to Use DL

- Cognitive (mental) tasks
- Professional development (NCOES, OAC)
- Classroom training
- Academically demanding training (CGSC, War College)
- Individual Training
- Non-equipment training
- Large student load courses
- Stable content
- Low risk training
- Students have access to DL equipment (PC's, WWW, VTT)
- On-demand training needed

# The TADLP Umbrella



# Key Stakeholders and Roles

- **eArmyU (TAG (Army education), ASA, M&RA, Army G-1)**

- Provides a single point of access to more than 115 degree and certificate programs from 23 regionally dispersed and accredited universities

- **Army e-learning (Transitioning to PEO EIS-PM DLS)**

- Meets Information Technology (IT) community training needs
- Web-based, anywhere, anytime e-learning
- 1,148 courses currently available
- Integrated with Army Knowledge Online (AKO), Army Training Requirements and Resources System (ATTRS)
- Favorable AAA Audit & DL GOSC Approvals
- Asynchronous training
- Provides distributive learning to military and civilian Army personnel worldwide

# Key Stakeholders and Roles (cont)

- **US Army Reserve (USAR)**

- Digital Training Facility (DTF), DMOSQ courseware are priority
- Collaborative effort to increase RC readiness through redesign of DMOSQ / NCOES courses

- **National Guard Bureau (NGB)**

- Digital Training Facility (DTF), DMOSQ courseware are priority
- Collaborative effort to procure Deployed Digital Training Center (DDTC) capability (65<sup>th</sup>BDE SBCT PAARNG)

- **Army War College (AWC, TRADOC)**

- Distributive education program

# TRADOC Point of Emphasis

- Fielding Learning Management System (LMS) to TRADOC is a crucial T2 enabler
- Courseware affordability assessment
  - Not a LMS fielding pacing item
  - TRADOC will fund courseware development commensurate with DA funding
- ATEC summary: “PM will make fixer and demonstrate the corrections to ATEC and TRADOC”
- TRADOC Senior leaders need to advocate DL support and policy requisite changes



# What is the Learning Management System?



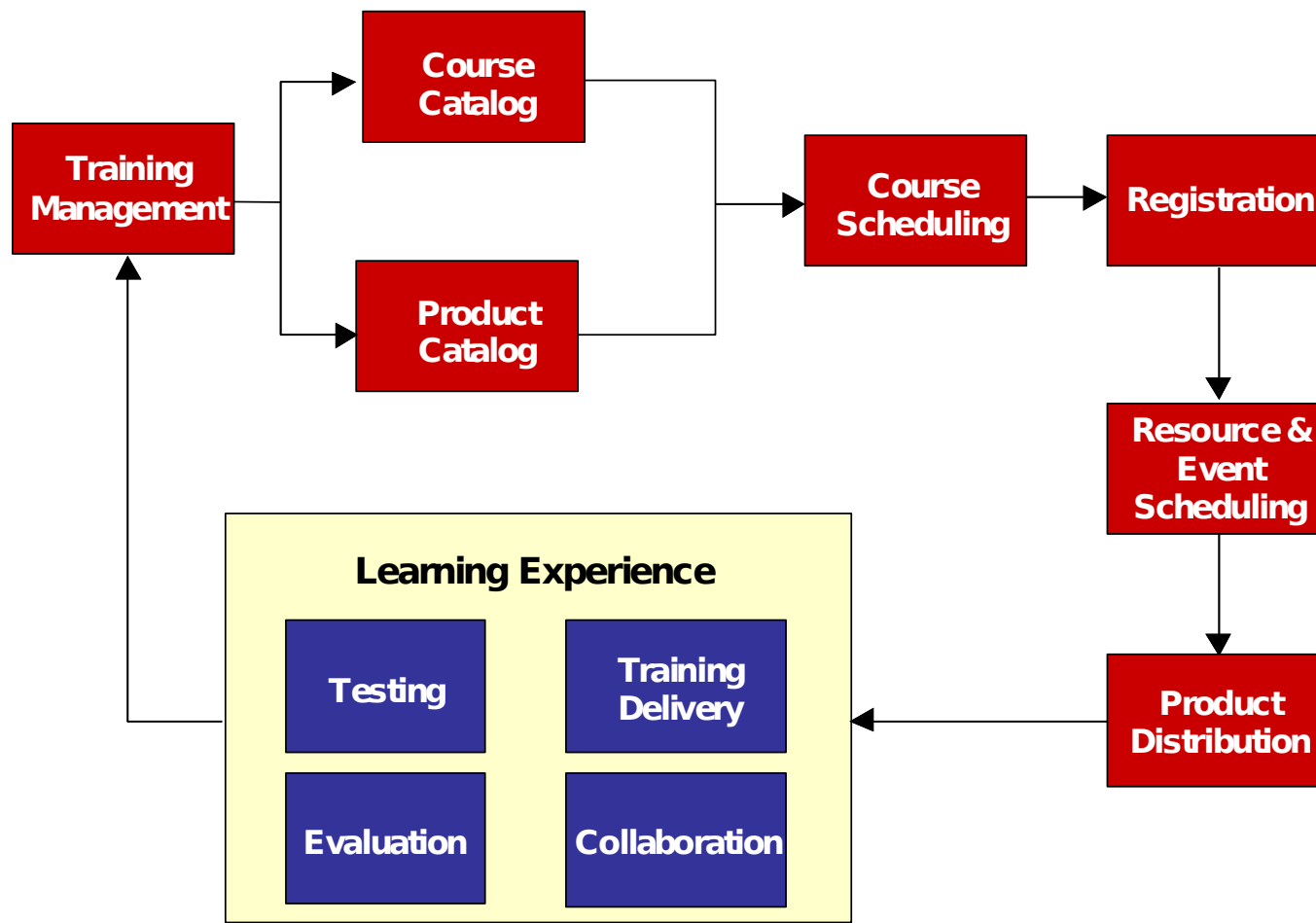
- **The LMS is a web enabled automated information system to assist students, trainers and training managers in the conduct and management of training throughout their Army career**

# Key Army LMS Functions

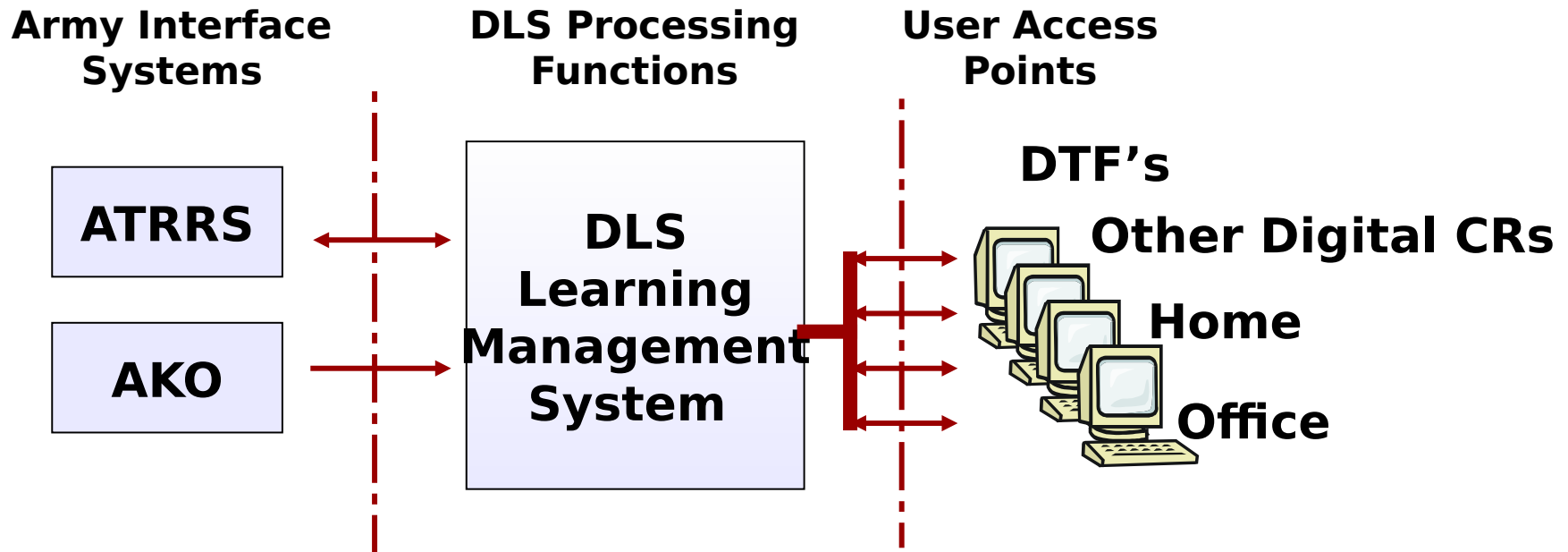
- Interfaces with other key Army systems for a 'system of systems' architecture (AKO, ATRRS, BCKS, etc.)
- Registration and enrollment of students
- Scheduling resources to course iterations for resident and DL courses
- Identify and reconcile scheduling conflicts
- Monitor automated testing and student progress
- Distribute, deliver, store and present education and training products
- Provide synchronous and asynchronous collaboration
- Maintain training and education records
- Collect and store feedback and evaluations
- Maintain a cataloged database of education and training products and resources

# LMS Major Functions

*LMS represents 11 major training management functions*



# LMS Interfaces



**ATRRS = Army Training Requirements and Resources System;  
AKO = Army Knowledge Online**

# Results of the Army Limited User Test (LUT)

- More than 100 students enrolled in 5 web-based courses and one video teletraining (VTT) course
- The system was tested for during the period 10 Jun – 1 Jul 04 for operability, suitability, and survivability against 11 critical mission functions that will assist all training managers and students in resident training and distance learning
- The LMS met the success requirements established by TRADOC during the test
- The full-rate production decision is planned for late 4Qtr/FY04 with a phased 2 year fielding to all TRADOC schools centers commencing in 1Qtr/FY05

# How the Army LMS Will Affect Schools

- As the LMS nears fielding (1Q, FY05) there are significant operational impacts that will affect all aspects of Army training, for example:
  - How classes are scheduled
  - How resources are catalogued and allocated to course iterations
  - How courseware is designed and loaded onto the LMS content server
  - How student progress is monitored, recorded and archived
  - How each proponent will transition from their unique LMS methodology to the common system

# Transitioning to the Army

- Preparations are being implemented to smooth the transition to the new LMS
- Here is what you can look forward to in preparation for the transition:
  - Policy memorandum
  - Concept of Operations document
  - Fielding plan
  - Training Standing Operating Procedures
  - Online training tutorials in vignette format
  - User manuals
- The transition will only be as good as the preparations each schoolhouse invests

# The Army Learning Management System

## Phase 1 System Sequence

Site Location	Major School/Center
Ft. Leonard Wood, MO	MANSCEN
Ft. Gordon, GA	USASC
Ft. Eustis, VA	USATS/AVLOG
Ft. Knox, KY	USAAS
Ft. Sam Houston, TX	AMEDD
FT. Huachuca, AZ	USAMIS
Ft. Leavenworth, KS	CGSC
Ft. Benning, GA	USAIS
Ft. Sill, OK	USAFAS
Aberdeen Proving Ground, MD	USAOMS
Ft. Bliss, TX	ADA/SMA
Ft. Jackson, SC	USASSI
Ft. Lee, VA	CASCOM
Ft. Rucker, AL	USAAVS
Ft. Bragg, NC	USAJFKSWC
Redstone Arsenal, AL	USAOMMS
Charlottesville, VA	JAG School
Carlisle Barracks, PA	Army War College



# TRADOC Fielding Schedule

Qtr / FY	Sites	Site Notification / - 120 / One day	Send Site Survey Questionnaire	Senior Briefing / -90 / Three Days	Site Survey / -45 / Five Days	Send Training Material to Site	Site Training / T / Fifteen Days	Support 10 Weeks
1st Qtr 05	Fort Leonard Wood	9/3/2004	9/15/2004	9/15/2004	9/27/04-10/01/04	10/25/2004	11/08/04-11/19/04	11/19/04-01/28/05
2nd Qtr 05	Fort Gordon	9/3/2004	9/27/2004	10/13/2004	11/29/04-12/03/04	12/20/2004	01/18/05-01/28/05	01/31/05-04/08/05
2nd Qtr 05	Fort Eustis, Monroe	9/17/2004	10/18/2004	11/1/2004	12/13/04-12/17/04	1/24/2005	02/07/05-02/17/05	02/17/05-04/29/05
2nd Qtr 05	Fort Knox	10/18/2004	11/8/2004	11/24/2004	01/10/05-01/14/05	2/14/2005	02/28/05-03/11/05	03/11/05-05/20-05
2nd Qtr 05	Fort Sam Houston	11/16/2004	11/29/2004	12/15/2004	01/31/05-02/04/05	3/7/2005	03/21/05-04/01/05	04/01/05-06/10/05
3rd Qtr 05	Fort Huachuca	TBA	TBA	TBA	TBA	TBA	04/11/05-04/22/05	TBA
3rd Qtr 05	Fort Leavenworth	TBA	TBA	TBA	TBA	TBA	05/02/04-05/13/05	TBA
3rd Qtr 05	Fort Benning	TBA	TBA	TBA	TBA	TBA	05/31/05-06/10/05	TBA
3rd Qtr 05	Fort Sill	TBA	TBA	TBA	TBA	TBA	06/20/05-06/30/05	TBA
4th Qtr 05	Aberdeen Proving Ground	TBA	TBA	TBA	TBA	TBA	07/11/05-07/22/05	TBA
4th Qtr 05	Fort Bliss	TBA	TBA	TBA	TBA	TBA	08/01/05-08/12/05	TBA
4th Qtr 05	Fort Jackson	TBA	TBA	TBA	TBA	TBA	08/22/05-09/01/05	TBA
4th Qtr 05	Fort Lee	TBA	TBA	TBA	TBA	TBA	09/12/05-09/23/05	TBA
1st Qtr 06	Fort Rucker	TBA	TBA	TBA	TBA	TBA	10/03/05-10/14/05	TBA
1st Qtr 06	Fort Bragg	TBA	TBA	TBA	TBA	TBA	10/24/05-11/04/05	TBA
1st Qtr 06	Redstone/Huntsville	TBA	TBA	TBA	TBA	TBA	11/14/05-11/24/05	TBA
1st Qtr 06	Charlottesville, VA (Jag School)	TBA	TBA	TBA	TBA	TBA	12/05/05-12/16/05	TBA
2nd Qtr 06	Carlisle Barracks	TBA	TBA	TBA	TBA	TBA	01/09/06-01/20/06	TBA

# LMS Way Ahead

- Army Systems Acquisition Review Council (ASARC) Review – Milestone C Full Rate Production Decision – 15 Sep 04
- LMS fielding begins – 1Q, FY05
- Draft Material Fielding Plan extract available [www.tadlp.monroe.army.mil](http://www.tadlp.monroe.army.mil)

# LMS FUNCTIONALITY (Increment 2&3)

## Major Categories

## Deferred Functionality Description

ATIA Interface	Scheduling	Notification Requirements	Full Reporting Functionality	Remaining Base System Modification Requirements	Student Generated Learning Material Storage	Collaboration	<p>This is a learning method that involves one or more groups of individuals (a team) who together complete a learning activity.</p> <p>Storage of student produced products as required by the education / training courseware.</p> <p>These are changes to the baseline configuration of COTS software / hardware needed to bring to bring the final production LMS configuration into full compliance with the functional requirements.</p> <p>The generation of standardized reports from information residing in the data base, compiling ad hoc reports and building report templates.</p> <p><i>Automated process to provide information and data to system users as needed to perform their education / training roles as defined in the ATIA-OA.</i></p> <p>This is the unit and individual education / training management activity of ensuring the specific units, people, things (equipment, materials, etc.), and site(s) (facility) are available for use to create and implement the education/training when needed (time and time p</p> <p>The connectivity linkage and transfer of information / data between the ATIA database and other databases.</p>
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# Collaboration Sub Functions

- Complete a learning activity
- Synchronous/Asynchronous instruction
- Synchronous class meetings
- On-line Presentations
- Recordable synchronous sessions for later viewing by student

# Remaining Base System Modification Requirements Sub Functions

- Reserving Digital Training Facilities (DTF) workstations for individual self study
- Assign individual workstations for DTF rooms assigned to a class
- Web interface for DTF workstation assignment for walk-in student
- Modification to the Graphics Unit Interface (GUI) to support Student Generated Learning Management Storage (SGLMS)
- Modify the SABA authentication class to execute the authentication code on the SGLMS
- Prompt user for time zone at log in
- Display course manifest attachments to course developers only

# Notification Requirements Sub functions

- Waitlist Subprocess Flow - Notify Course Manager (CM) and Owner of Update
- Course Catalog - Notify CM and Owner of Update
- Course Catalog - Course Change
- Product Catalog - Notify CM of new product
- Product Catalog - Notify CM of update
- Product Catalog - Reorder product
- Product Catalog - Product Catalog Availability
- Registration - Notify Learner and Learner's Unit Training Manager (UTM)
- Registration - Notify learner of approval of request
- Registration - Notify Learner, UTM of disapproval of request
- Registration - Notify Learner, UTM, CM, Class Manager and Instructor
- Registration - Notify Learner, UTM of account activation
- Registration - Notify Learner, UTM of wait list
- Registration - Notify Quality Management (QM)
- Registration - Notify Learner, UTM
- Registration - Registration

# Notification Requirements Sub

## functions (cont)

- Registration - 5 day registration request
- Registration - Waitlist Subprocess Flow
- Registration - Request Approval Subprocess Flow
- Registration - Waiver Subprocess Flow
- Registration - Maintain Reservation Subprocess Flow
- Resource and Event Scheduling - CM will notify recipient that schedule can be viewed by accessing the system
- Resource and Event Scheduling - ATRRS DTF scheduling notification
- Product Distribution - Notify recipient with URL of material
- Product Distribution - Notify Recipient, CM, Instructor, and DTFM
- Product Distribution - Notify CM, Product Distributor (PD) to get additional inventory
- Product Distribution - Reorder product
- Product Distribution - Product reorder not updated
- Product Distribution - 14 day address validation
- Product Distribution - Determine Product Requirements Sub process Flow

# Scheduling Sub Functions

- Schedule class start/stop date within courses
- Modifies starts to achieve best fit of resource allocations
- Report conflicts of resources and suggest alternate training
- Schedule non-POI events
- Include holiday/special training events (static) that impact on training and/or resources
- Suggest conflict resolution
- Create reports identifying class start and graduation dates
- Allow co-use of training resources
- Allow overlap of facilities
- Schedule courses be resource preference IAW published priority list from information contained in



# Scheduling Sub Functions (cont)

- Provide interactivity between various school training activities e.g.: Central Scheduling, ATRRS Manager, resource providers, course managers, commanders and their staff
- Support shared training events (coordinate separate courses into one training event to maximize shared training) both POI and non-POI
- Publish POI and non-POI training schedule electronically and hard copy.
- Publish detailed final schedules from Master Training Plan.
- Requests for change must be easily identified as a request versus approved
- Requested change (TRAP, MOB, special event, fill pattern change) must be approved through hierarchal means and must follow chain of command
- Means to change must coordinate resources and report alternatives. Change effected must be coordinated with appropriate users

# Scheduling Sub Functions (cont)

- Approval/Disapproval/Modify request for change must be hierarchal, and notify user/providers of change
- Must have audit trail to record date/time/user of all actions pertaining to the requested change
- Must notify users of change as well as resource provider
- The scheduling program administrator must be the control for the read/write capability
  - Request Change
  - Approve/disapprove change
  - Change resource requirement (vs. date/time)
  - Read only
  - Change student load
- Creation of reports
  - Resource Utilization
  - Hard copy schedule by class, event, resource, students, etc
  - Resource availability by capability (Classroom, shop, recovery ranges, individual vehicle (by bumper number), resource limitations, cost)
  - Cos
- Hardcopy view of classes/resource utilization (time line)

# Scheduling Sub Functions (cont)

- Schedule class start/stop date within courses
- Modifies starts to achieve best fit of resource allocations
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- Suggest conflict resolution
- Create reports identifying class start and graduation dates
- Allow co-use of training resources
- Allow overlap of facilities
- Schedule courses be resource preference IAW published priority list from information contained in Master Training Schedule to produce a Master

# Questions?

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# Back Up Slides

# TADLP Courseware Status

## Where we were:

FY98-04 CW funding \$179.9M

## Where we will be:

FY06-11 \$289M POM

## **Courseware**

- 525 Redesigned courses by FY2010
- TRADOC FY04 redesign priorities:
  - Readiness
  - Officer Education System (OES)
  - Reclassification (DMOSQ) RC focused
- Prioritized by MACOM needs
- SCORM compliant

## **Maintenance Strategy**

### Focus:

- Content
- Technical Aspects

### Options:

- Modify Existing Contract
- Establish New Contract

# Army Systems Acquisition Review Council

**Purpose:** To obtain a full rate production decision from the Army Acquisition Executive for Increment 3 of The Army Distributed Learning Program's (TADLP) Distributed Learning System (DLS)

➤ Permission to field Learning Management System (LMS) to the Army

# ASARC Key Players

- Army Acquisition Executive (Chair)
- Army Vice Chief of Staff
- Deputy Undersecretary of the Army for Operations Research
- Assistant Secretary of the Army for Financial Management
- Assistant Secretary of the Army for Installations and Environment
- CG, Army Material Command
- CG, TRADOC
- Office of General Council
- All Deputy Chiefs of Staff (G1, G2, G3, G4, G6, G8)
- Assistant Secretary of the Army for Acquisition, Logistics, and Technology
- Director of Program Analysis and Evaluation (PAE)
- Director of Cost and Economic Analysis
- CG, Army Test and Evaluation Command



# Upcoming ASARC Briefings

- **7 September 2004**

- LTG Boutelle, Army CIO/G6
- Pentagon, Room 1A267 (1030-1130)

- **10 September 2004**

- GEN Cody, Army Vice Chief of Staff
- Pentagon, Room 3E528 (1300-1330)

- **10 September 2004**

- Mr. Bolton, Army Acquisition Executive
- Pentagon, Room 3D572 (1330-1500)